

# TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

## PCT

### RAPPORT PRÉLIMINAIRE INTERNATIONAL SUR LA BREVETABILITÉ (chapitre I du Traité de coopération en matière de brevets)

(règle 44bis du PCT)

Référence du dossier du déposant ou du mandataire <b>TRUSB0023</b>	<b>POUR SUITE À DONNER</b>		Voir le point 4 ci-dessous
Demande internationale no. <b>PCT/FR2004/003275</b>	Date du dépôt international ( <i>jour/mois/année</i> ) <b>16 December 2004 (16.12.2004)</b>	Date de priorité ( <i>jour/mois/année</i> ) <b>30 December 2003 (30.12.2003)</b>	
Classification internationale des brevets (8 <sup>e</sup> édition, sauf indication d'une #dition ant#rieure) Voir les informations pertinentes dans le formulaire PCT/ISA/237			
Déposant <b>TRUSTED LOGIC</b>			

<p>1. Le présent rapport préliminaire international sur la brevetabilité (chapitre I) est établi par le Bureau international au nom de l'administration chargée de la recherche internationale selon la règle 44bis.1.a).</p> <p>2. Ce RAPPORT comprend un total de 6 feuillets, y compris la présente feuille de couverture.</p> <p>Dans les feuilles jointes, toute référence à l'opinion écrite de l'administration chargée de la recherche internationale doit être entendue, à la place, comme une référence au rapport préliminaire international sur la brevetabilité (chapitre I).</p>																									
<p>3. Le présent rapport contient des indications relatives aux points suivants :</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/></td> <td style="width: 15%;"><b>Cadre n° I</b></td> <td style="width: 70%;">Base de l'opinion</td> </tr> <tr> <td><input type="checkbox"/></td> <td><b>Cadre n° II</b></td> <td>Priorité</td> </tr> <tr> <td><input type="checkbox"/></td> <td><b>Cadre n° III</b></td> <td>Absence de formulation d'opinion quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle</td> </tr> <tr> <td><input type="checkbox"/></td> <td><b>Cadre n° IV</b></td> <td>Absence d'unité de l'invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><b>Cadre n° V</b></td> <td>Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration</td> </tr> <tr> <td><input type="checkbox"/></td> <td><b>Cadre n° VI</b></td> <td>Certains documents cités</td> </tr> <tr> <td><input type="checkbox"/></td> <td><b>Cadre n° VII</b></td> <td>Certaines irrégularités relevées dans la demande internationale</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><b>Cadre n° VIII</b></td> <td>Certaines observations relatives à la demande internationale</td> </tr> </table>		<input checked="" type="checkbox"/>	<b>Cadre n° I</b>	Base de l'opinion	<input type="checkbox"/>	<b>Cadre n° II</b>	Priorité	<input type="checkbox"/>	<b>Cadre n° III</b>	Absence de formulation d'opinion quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle	<input type="checkbox"/>	<b>Cadre n° IV</b>	Absence d'unité de l'invention	<input checked="" type="checkbox"/>	<b>Cadre n° V</b>	Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration	<input type="checkbox"/>	<b>Cadre n° VI</b>	Certains documents cités	<input type="checkbox"/>	<b>Cadre n° VII</b>	Certaines irrégularités relevées dans la demande internationale	<input checked="" type="checkbox"/>	<b>Cadre n° VIII</b>	Certaines observations relatives à la demande internationale
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<p>4. Le Bureau international communiquera le présent rapport aux offices désignés conformément aux règles 44bis.3.c) et 93bis.1 mais pas avant l'expiration du délai de 30 mois à compter de la date de priorité (règle 44bis.2), sauf si le déposant a présenté une requête expresse à cet égard en vertu de l'article 23.2).</p>																									

		Date d'établissement du présent rapport <b>29 August 2006 (29.08.2006)</b>
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**PATENT COOPERATION TREATY**

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

**PCT**  
*TRANSLATION*

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

			Date of mailing (day/month/year)	<b>See Form PCT/ISA/210 (sheet 2)</b>
Applicant's or agent's file reference <b>TRUSB0023</b>		<b>FOR FURTHER ACTION</b> See paragraph 2 below		
International application No. <b>PCT/FR2004/003275</b>	International filing date (day/month/year) <b>16.12.2004</b>	Priority date (day/month/year) <b>30.12.2003</b>		
International Patent Classification (IPC) or both national classification and IPC <b>G06F1/00</b>				
Applicant <b>TRUSTED LOGIC</b>				

<p>1. This opinion contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Box No. I Basis of the opinion</li> <li><input type="checkbox"/> Box No. II Priority</li> <li><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li><input type="checkbox"/> Box No. IV Lack of unity of invention</li> <li><input checked="" type="checkbox"/> Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li><input type="checkbox"/> Box No. VI Certain documents cited</li> <li><input type="checkbox"/> Box No. VII Certain defects in the international application</li> <li><input checked="" type="checkbox"/> Box No. VIII Certain observations on the international application</li> </ul> <p>2. <b>FURTHER ACTION</b></p> <p>If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.</p> <p>If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.</p> <p>For further options, see Form PCT/ISA/220.</p> <p>3. For further details, see notes to Form PCT/ISA/220.</p>
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Name and mailing address of the ISA/EP	Authorized officer
Facsimile No.	Telephone No.

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

<b>International application No.</b>	PCT/FR2004/003275
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**Box No. I Basis of this opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material
    - a sequence listing
    - table(s) related to the sequence listing
  - b. format of material
    - in written format
    - in computer readable form
  - c. time of filing/furnishing
    - contained in the international application as filed.
    - filed together with the international application in computer readable form.
    - furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

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PCT/FR2004/003275

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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**1. Statement**

Novelty (N)	Claims <u>1-11</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>1-11</u>	YES
	Claims _____	NO
Industrial applicability (IA)	Claims <u>1-11</u>	YES
	Claims _____	NO

**2. Citations and explanations:**

**1. Reference is made to the following documents:**

D1: WO 00/45262 A (SUN MICROSYSTEMS INC) 3 August  
2000 (2000-08-03)

D2: US-B1-6 658 573 (BISCHOF JOERG ET AL) 2 December  
2003 (2003-12-02)

**2. Claim 1 pertains to a method of controlling access  
to data manipulated by references in a program  
execution system.**

Document D1 describes control of access to an object based essentially on the verification that the object and the entity appertaining thereto stem from the same context or that access to the object is explicitly allowed.

Document D2 describes control of access to an object by restricting the space of the names during the resolution of the name of the object at the moment of its invocation (that is to say before associating a reference with it).

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

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Box No. V      Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The method according to independent claim 1 differs therefrom in the steps of storing the set of references obtained by the program in a licit manner and of verifying whether an operation pertains to a value which is a licit or illicit reference.

Therefore the subject matter of claim 1 is novel (PCT Article 33(2)).

The method according to claim 1 is aimed at remedying the security problems due to operations pertaining to values of which are references which have not been obtained by licit means (such as, in java, arithmetic of the pointer).

The solution to this problem, as proposed in claim 1 of the present application, is considered to involve an inventive step (PCT Article 33(3)), for the following reasons:

such a solution is neither known nor obvious from the prior art such as it emerges from the documents cited in the search report, none of these documents making mention of references obtained in a licit manner.

3. Claims 2-11 are dependent on claim 1 and thus also comply, as such, with the requirements of novelty and inventive step of the PCT.
4. The subject matter of claims 1-11 is industrially applicable.

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
**PCT/FR2004/003275**

**Box No. VIII      Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

1. The application fails to comply with the requirements of PCT Article 6, claims 1 and 7 - 11 not being clear since they contain features placed between brackets. Neither is it clear whether these features are alternative or optional features, nor whether these features have a limiting character.